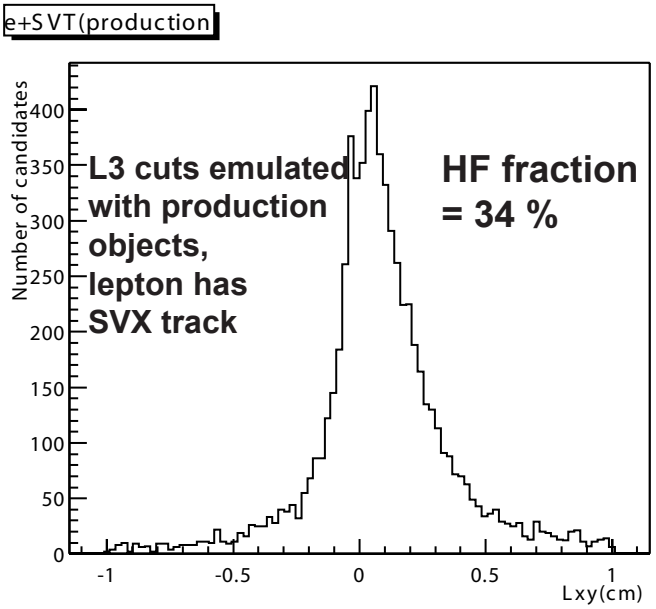
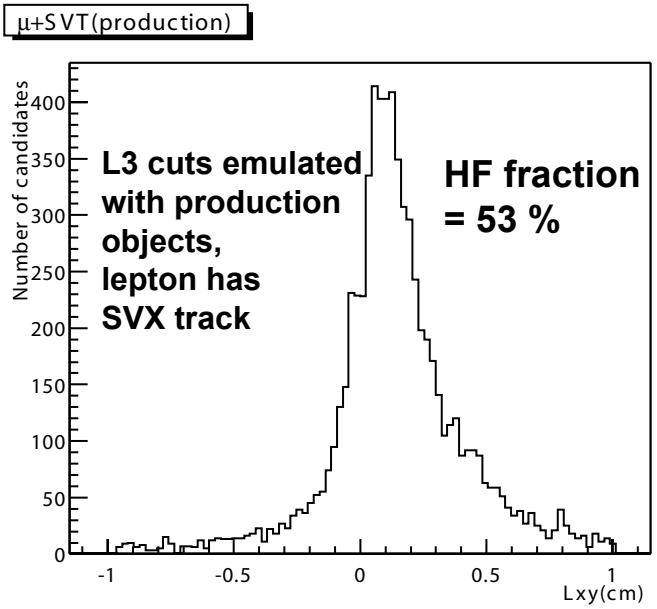
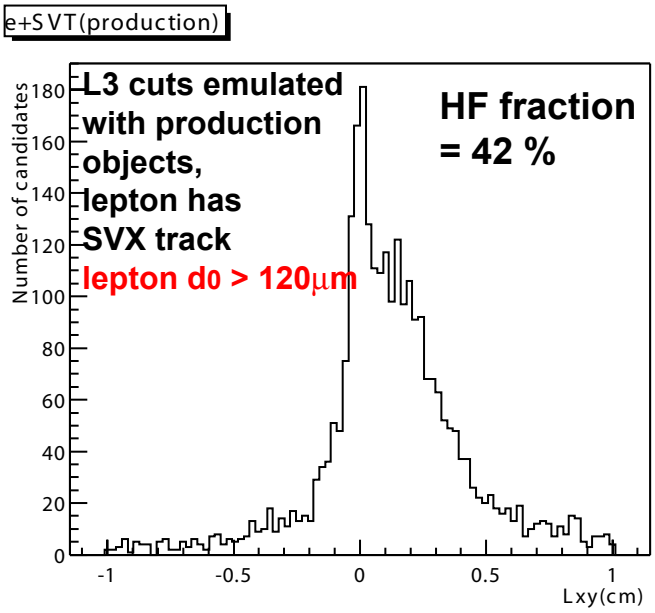
Lxy asymmetry with production data

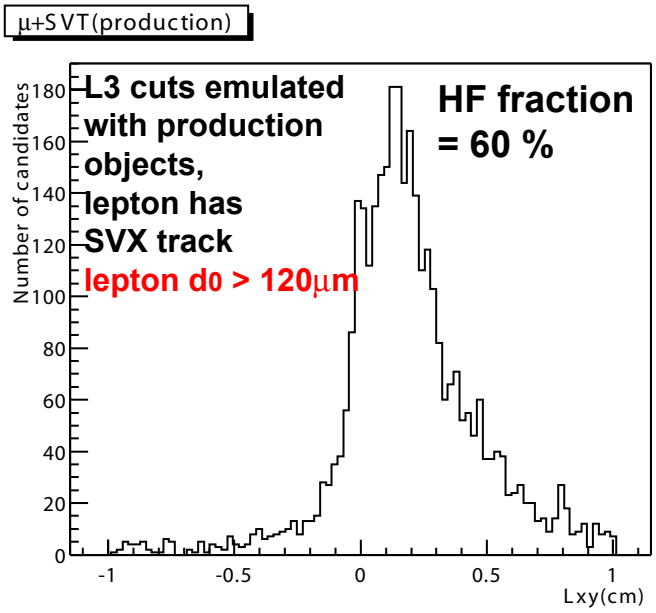
With L3 reconstructed data , it was
16 % (e + SVT)
29 % (μ + SVT)





If require lepton is displaced.





Cross section

	e + SVT	μ + SVT
L3	70nb	30nb
cut with production objects	20nb	15nb
require lepton has SVX track	17nb	14nb

Long-term monitoring of trigger cross section

Trigger cross section sometimes drops due to some changes of each trigger level.
-> monitoring tool is necessary.

The monitoring plots from all L3 triggers are available from,
http://cdfsga.fnal.gov/internal/people/links/SatoruUozumi/trigger_xsec_watcher/index.html
All plots are automatically updated every day.

Especially, plots for important B physics triggers are linked at,
http://cdfsga.fnal.gov/internal/people/links/SatoruUozumi/trigger_xsec_watcher/b_plot.html

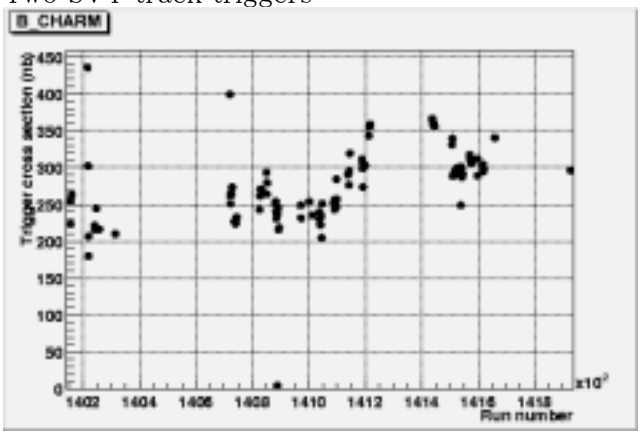
This page shows plots for following 6 triggers.
B_CHARM
B_PIPI
B_SEMI_CEM4_TRACK2_D120
B_SEMI_CMUP4_TRACK2_D120
JPSI_CEMCEM
JPSI_CMUCMU1.5

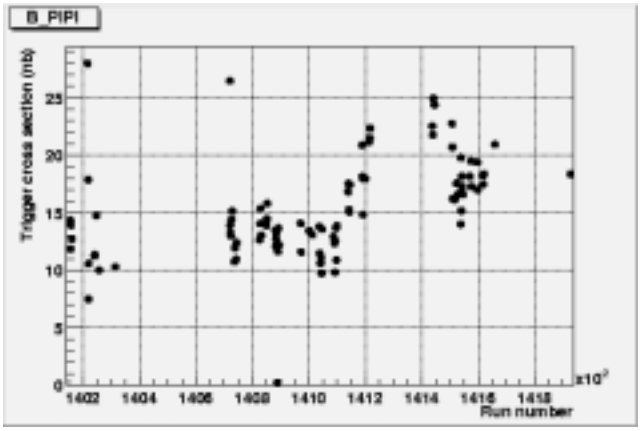
Cross section of some B triggers (latest 100 good run)

Cross section of all L3 trigger path is here.
This page provides a long-term monitor of each L3 trigger cross section. 6 B-trigger plots shown below are automatically updated every day. In the plot, one point corresponds to one run which satisfies following requirement.

- Integrated luminosity > 5nb-1
- good run flag is 1
- SVX flag is 1

Two SVT track triggers





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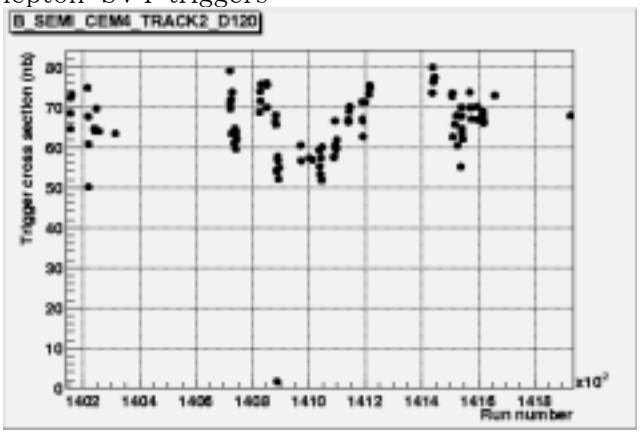
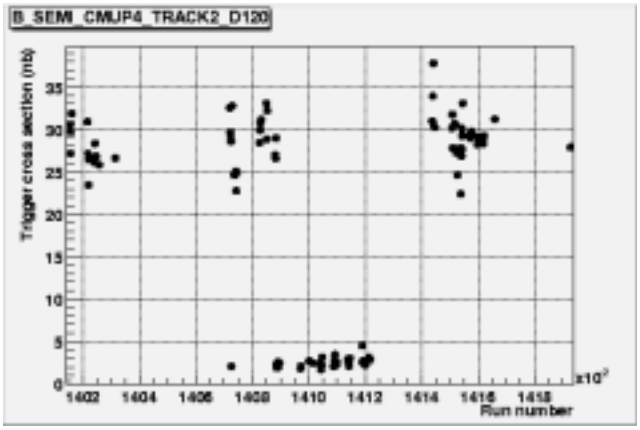
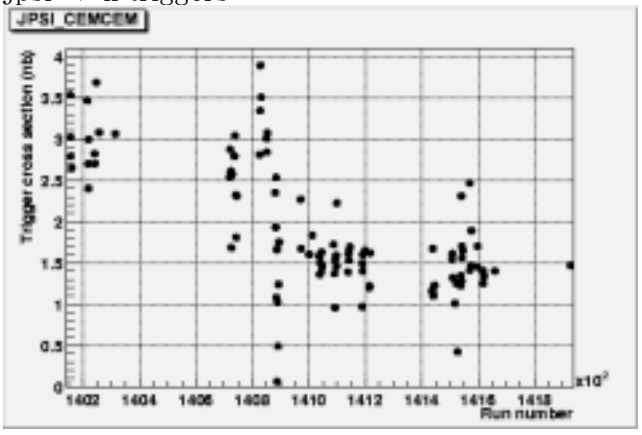
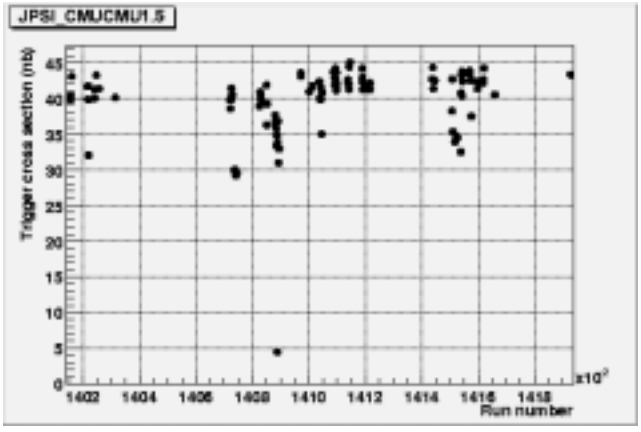
lepton+SVT triggers





Jpsi -> ll triggers





Questions and comments : satoru@fnal.gov